

The Commonwealth of Massachusetts
Department of Energy Resources
100 Cambridge Street, Suite 1020
Boston, MA 02114
<http://www.mass.gov/doer>



PROGRAM OPPORTUNITY NOTICE (PON)

Communities Grant Program
FISCAL YEAR 2011:
Application for Electric Vehicle Infrastructure Grants

PON-ENE-2011-003
October, 2010



Green Communities Division

INTRODUCTION

The Commonwealth is committed to accelerating the market for electric vehicles (EVs) and encouraging the beginning of an electric vehicle supply station infrastructure to provide electricity to fuel these vehicles. Besides reducing our dependence on foreign oil, electricity is a less carbon-intensive energy source than conventional carbon-based fuels which can help reduce greenhouse gases. Tailpipe emissions from electric vehicles are substantially less when compared to automobiles and trucks fueled with petroleum products.

The Executive Office of Energy and Environmental Affairs (EEA) and Department of Energy Resources (DOER) are using a stakeholder process to develop an EV Roadmap, working with power companies, electricians, businesses and communities to ensure public understanding and the development of an appropriate number of manufacturers of Electric Vehicle Supply Equipment (EVSE's). Several federal bills are being discussed that would bring more extensive funding to the states or regions.

The purpose of this PON is to identify communities interested in having EVSE charging sites in their communities. One of the current barriers to widespread purchase of EVs is called "range anxiety". Electric cars that will be commercially available in 2011 have a battery that allows a driving range of up to 80 – 100 miles before running out of "fuel". While most owners of electric vehicles will charge their car batteries overnight at home, and almost 96% of drivers will drive less than 100 miles/day, there also needs to be EVSE's available where people park for three-to-four hours. This parking can be done in public or privately-owned garages (with wall or ceiling mounted EVSE), parking along the street and in outdoor parking lots (with pedestal EVSE, a pole-mounted charger or a pay-station/garage payment system). Destination locations (such as malls, retail stores, and hotels), commuter lots, colleges and employee workplace parking are all good locations for publically available EVSEs.

The EEA is developing a statewide procurement for a broad range of EVSE systems and turnkey operations (where a manufacturer supplies, installs, maintains and services the EVSE) so that eligible agencies and municipalities can select models or full service operations from a statewide contract. After completing this procurement process, the EEA will discuss the models available with the selected grantees from this PON and negotiate contract terms with the appropriate government body. Funding must go directly to the EVSE vendors. Proposals will be made to DOER and there will be no direct contracts with DOER for these services.

PROGRAM OVERVIEW

The purpose of this PON is to gain experience with the installation and to demonstrate our commitment to an Electric Vehicle future, the Green Communities Division of DOER is making available a total of approximately \$200,000 available for local governmental bodies that are interested in installing EVSE in publically available spaces in their community. Communities can apply to fund more than one project but must submit only one (1) application. Applicants are encouraged to read installation guidelines related charging stations at: <http://www.theevproject.com/documents.php> to more thoroughly understand deployment. If municipal fleets are considering adding EVs to their available vehicles, a community may want to consider EVSE where the vehicles could charge at night and make the system available to the public during the day.

Priority in this round of funding will be given to those cities and towns designated a Green Community. www.mass.gov/doer However, DOER will use all eligible applications to determine deployment

locations for future funding that may become available. We anticipate adding your applications to a comprehensive, widespread deployment strategy that will form the basis of a request for financial assistance, and believe we will be well positioned to receive significant additional funding.

GRANT FUNDING

Funding for this initial competitive grant is made possible through an enforcement settlement, and we expect to fund up to 200 EVSEs. Estimates for charging station installation vary, but are expected to be no more than \$2,500 each for a single charging station and \$3,000 for a multi-car charging station. There is no maximum amount of funds a community can apply for, but not all may be funded at this time. However, in the future additional funding may become available. We encourage you to consider all possible locations for EVSE and identify which ones are your priorities for this program. We also encourage you to consider EVSE that charge more than one vehicle as this is more cost effective. Funds cannot be used for projects that have already begun physical construction without express permission from the EEA/DOER grant review team. We also strongly encourage matching funds be proposed in your application to defray installation costs.

It is likely that not all requests for funding will be funded by this initial grant. However, there is a strong possibility that there will be additional funding for EV infrastructure in the future, and all applications will be kept on file, and you will be notified if and when additional funding becomes available.

Any tax-paying partner may be eligible to take advantage of the federal tax rebate (information for EVSE found at <http://www.afdc.energy.gov/afdc/laws/law/US/351>; some alternative fueled vehicles also have tax incentives).

Please note that charging stations must be installed by Massachusetts licensed electricians.

AWARD CRITERIA Awards will be evaluated based on the following criteria:

Project Description and Viability (Appendix A and B of Application)

- Shovel readiness (may include feasibility, permit readiness, site preparation needed, available licensed electricians to install, willing hosts/partners to assist)
- Budget / Financing (including private funds leveraged, host partners funding assistance)
- Access to 220VAC power or commitment to provide such access (including utility assistance for any needed on-site upgrades)
- Projects from all applicants provide reasonable coverage of the state as determined by the EEA/DOER review team.
- Proof that charging stations be available to the public.

Projected Energy and Environmental Impacts (Appendix C of Application)

- Evidence that spaces will be available and potentially used by EV owners.
- CO2 reductions / each battery electric vehicle will have a reduced carbon footprint. Please list estimated amount of future fleet vehicles that could be replaced with Plug in hybrids or battery electric vehicles. This should be based on future replacement schedule as developed by the community.

Projected Economic Development Benefit and Cost (Appendix D of Application)

- Partnering with local college, business, retailer or employers to leverage funding and provide additional publically available EVSE.
- Number of cars that can charge from the EVSEs proposed.

Bonus (General and Applicant Information)

- Priority may be given to Green Communities or communities that are predicted to have the largest volume of potential EVs.

PROGRAM ADMINISTRATION

The Grantee will manage the program and will ensure that funds are utilized for the projects as awarded in a timely manner, that all applicable permits are obtained, local and state procurement methods are employed, all applicable labor requirements are met, and state approved accounting procedures are used.

The Grantee will be required to execute a Standard State Contract with terms and conditions agreed to with the Commonwealth prior to receiving EVSEs. Payments will be made directly to selected EVSE vendor. Municipalities will be required to commit to begin installations within six months of the latest signatory of state contract.

PROGRAM REPORTING

The Grantee will be responsible for compliance with all related program requirements, including but not limited to quarterly reports for the program period to DOER electronically in a format provided by DOER.

HOW TO APPLY

Local governmental bodies may apply for this program at any time to be considered for future funding. However, in order to be considered for initial round of funding, the application must be submitted by the deadline below.

Deadline: Thursday, December 17, 2011 by 4:00pm

To apply: Forms will be available on the Green Communities Division website at:
www.mass.gov/energy/greencommunities and on www.comm-pass.com

Forms must be submitted electronically to Stephen Russell at
Stephen.Russell@state.ma.us and as one (1) unbound hard copy (including attachments) to the following address:

Department of Energy Resources
Alternative Fuels and Clean Cities Coordination
100 Cambridge Street, 10th Floor
Boston, MA 02114
ATTN: Stephen Russell

DOER reserves the right to waive any minor irregularities or informalities in a proposal as it determines or to allow Respondents to correct them, and to accept or reject any Proposal or portion thereof, and to enter into any agreement deemed to be in the best interest of the Commonwealth of Massachusetts. DOER reserves the right to discuss with the selected applicant(s) any terms and conditions, including financial issues, for any proposed project. DOER reserves the right to seek additional information from any and all Respondents including but not limited to requests for clarifications and interviews.

QUESTIONS:

Questions related to the qualification requirements and the designation form should be directed to Stephen Russell at (617) 626-7325 or by email at Stephen.Russell@state.ma.us or to Linda Benevides at (617) 626-1197, Linda.Benevides@state.ma.us. Responses to the questions will be written and posted at www.mass.gov/energy/greencommunities. No questions may be asked or answered after 11/29/10.

GRANT SCHEDULE

DATE	EVENT
October 6, 2010	Solicitation announced
October 25, 2010	Begin accepting grant applications
November 17, 2010	Forum to ask questions will be held at
December 17, 2010	Grant Applications due
February 14, 2011	Announce Grant Awards